

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/790,316
Filing Date	03/01/04
First Named Inventor	Haase, Richard A.
Art Unit	
Examiner Name	
Attorney Docket Number	

Sheet 1 of 1

Additional Search "Corrosion Inhibitor, Scale Inhibitor, Water"

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HN		US- 5,800,732	09/01/98	Coughtin, Michael F.	
HN		US- 5,772,913	06/30/98	Gill, Jaspur S.	
HN		US- 5,382,367	01/17/95	Zinkan, James K.	
HN		US- 5,288,410	02/22/94	Cuisia, Dionisio	
HN		US- 5,171,477	12/15/92	Kreh, Robert P.	
HN		US- 5,073,269	12/17/91	Denzinger, Walter	
HN		US- 5,068,042	11/26/91	Hen, John	
HN		US- 5,023,011	06/11/91	Busch, Bruce D.	
HN		US- 4,980,433	12/25/90	Chen, Fu	
HN		US- 4,795,219	12/04/90	Sato, Takatoshi	4,975,219
HN		US- 4,960,522	10/02/90	Amjad, Zahid	
HN		US- 4,957,704	09/18/90	Dohner, Brent R.	
HN		US- 4,640,793	02/03/87	Perinski, Leonard J.	
HN		US- 4,631,131	12/23/86	Cuisia, Dionisio	
HN		US- 4,442,009	04/10/84	O' Leary, Richard P.	
HN		US- 4,326,980	04/27/82	Snyder, William R.	
HN		US- 4,324,664	04/13/82	Snyder, William R.	
HN		US- 4,209,398	06/24/80	Ii, Motohiko	
HN		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵

Examiner
Signature

/Hoang Nguyen/

Date

Considered

08/08/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.87 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Change(s) applied
to document,

/A.J.P./

3/14/2012

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 10 of 11

Complete if Known

Application Number	10/790,316
Filing Date	03/01/04
First Named Inventor	Haase, Richard A.
Art Unit	
Examiner Name	
Attorney Docket Number	

U. S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HN		US-4,294,068	10/13/81	Klees, Gary W.	
HN		US-5,519,563	05/28/85	Tamura, Raymond M.	4,519,563
HN		US-4,845,941	07/11/89	Paul, Marius A.	
HN		US-5,222,361	06/29/93	Nelson, Daniel E.	
HN		US-5,398,500	03/21/95	Simpkin, William E.	
HN		US-5,930,990	08/03/99	Zachary, Richard E.	
HN		US-5,996,336	12/07/99	Hamedani, Mohammad F	
HN		US-6,092,989	07/25/00	Siga, Masao	
HN		US-6,513,330	02/04/03	Rice, Edward C.	
HN		US-6,571,549	06/03/03	Stanek, Michael J.	
HN		US-6,594,999	07/22/03	Mandai, Shigemi	
HN		US-6,644,015	11/11/03	McKinney, Bevin C.	
HN		US-6,691,504	02/17/04	Provitola, Anthony I	
HN		Additional Search "Fuel Cells"			
HN		US-6,459,231	10/01/02	Kagatani, Takeo	
HN		US-6,503,648	01/07/03	Wang, Xingwu	
HN		US-6,516,905	02/11/03	Baumert, Rob	
HN		US-6,589,033	07/08/03	Johnson, Mark C.	
HN		US-6,660,417	12/09/03	Nishio, Koji	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁴
		Country Code ² Number ³ Kind Code ³ (if known)				

Examiner Signature

/Hoang Nguyen/

Date Considered

08/08/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Change(s) applied
to document,
/A.J.P./
3/14/2012

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

9

of

1

Complete if Known

Application Number	10/790,316
Filing Date	03/01/04
First Named Inventor	Haase, Richard A.
Art Unit	
Examiner Name	
Attorney Docket Number	

U. S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HN		US- 6,051,777	04/18/00	Ashcroft, John M.	
HN		US- 6,128,903	10/10/00	Reige, Carl Ralph	
HN		US- 6,172,296	01/09/01	Iwasaki, Yukiko	
HN		US- 6,214,636	04/10/01	Sawayama, Ippai	
HN		US- 6,279,321	08/28/01	Fomey, James R.	
HN		US- 6,406,997	06/18/02	Schroder, Klaus	
HN		US- 6,444,189	09/03/02	Wang, Ying	
HN		US- 6,488,995	12/03/02	Nishimoto, Tomonori	
HN		US- 6,489,553	12/03/02	Fraas, Lewis M.	
HN		US- 6,515,219	02/04/03	Kondo, Takaharu	
HN		US- 6,538,194	03/25/03	Koyanagi, Tsuguo	
HN		US- 6,580,027	06/17/03	Forrest, Stephen R.	
HN		US- 6,593,522	07/15/03	Nakano, Shingo	
HN		US- 6,649,824	11/18/03	Den, Tohru	
HN		US- 6,657,378	12/02/03	Forrest, Stephen R.	
HN		US- 6,774,300	08/10/04	McFarland, Eric W.	
HN		US- <u>Additional Search</u>		<u>2nd Engine, Hydrogen Compression</u>	
HN		US- 3,934,409	04/27/96	Quillevere, Herve A.	01/1976
HN		US- 4,214,722	07/29/80	Tamura, Raymond M.	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

/Hoang Nguyen/

Date
Considered

08/08/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Change(s) applied
to document,/A.J.P./
3/14/2012

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/790,316
Filing Date	03/01/04
First Named Inventor	Haase, Richard A.
Art Unit	
Examiner Name	
Attorney Docket Number	

Sheet 6 of 11

Additional Search "IPSA"

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HN		US 4,685,939	08/11/87	Kratz, Wilber C.	
HN		US 4,329,158	05/11/82	Sircar, Shivaji	
HN		US 4,264,340	04/28/81	Sircar, Shivaji	
HN		US 4,013,429	05/22/77	Sircar, Shivaji	03/1977
HN		US 6,652,626	11/25/03	Plee, Dominique	
HN		US 6,649,556	11/18/03	Masini, Jean J.	
HN		US 6,423,121	06/23/02	Kiyama, Hiromi	
HN		US 6,171,370	01/09/01	Hirano, Shigeru	
HN		US 6,350,298	02/26/02	Su, Bao Lian	
HN		US 5,885,331	03/23/99	Reiss, Gerhard	
HN		US 5,868,818	02/09/99	Ogawa, Nobuhiro	
HN		US 5,810,909	09/22/98	Notaro, Frank	
HN		US 5,464,467	11/07/95	Fitch, Frank R.	
HN		US 4,544,378	10/01/85	Coe, Charles G.	
HN		US 4,481,018	11/06/84	Coe, Charles G.	
HN		US 3,702,931	08/10/76	Collins, John J.	3,973,931
HN		US 6,780,806	08/24/04	Yand, Ralph T.	
HN		US 6,761,754	07/13/04	Kim, Jin Bae	
HN		US 6,572,838	06/03/03	Sebastian, Jince	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	⁶

Examiner Signature	/Hoang Nguyen/	Date Considered	08/08/2006
-----------------------	----------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1458, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Change(s) applied
to document,
/A.J.P./
3/14/2012

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/790,316
Filing Date	03/01/04
First Named Inventor	Haase, Richard A.
Art Unit	
Examiner Name	
Attorney Docket Number	

Sheet

5

of

11

* X

Additional Search

"PSA"

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HN		US- 6,516,787	02/11/03	Dutart, Charles	
HN		US- 6,510,693	09/24/02	Coleman, Gerald N.	6,453,893
HN		US- 6,510,693	01/28/03	Winkler, Deiter	
HN		US- 6,497,098	12/24/02	Griffin, Timothy A	
HN		US- 6,298,664	10/09/01	ANG.sen	
HN		US- 6,345,884	11/13/01	Barry, Lionel	6,315,814
HN		US- 6,321,915	11/27/01	Wilson, Doug	
HN		US- 6,357,601	03/19/02	Bowers, William F.	
HN		US- 6,004,378	12/21/99	Reiss, Gerhard	
HN		US- 5,672,195	09/30/97	Moreau, Serge	
HN		US- 5,454,857	10/03/95	Chao, Chien C.	
HN		US- 5,419,891	05/30/95	Coe, Charles G.	
HN		US- 5,417,957	05/03/95	Coe, Charles G.	
HN		US- 5,413,625	05/09/95	Chao, Chien C.	
HN		US- 5,354,360	10/11/94	Coe, Charles G.	
HN		US- 5,268,023	12/11/93	Kimer, John F.	
HN		US- 5,258,058	11/02/93	Coe, Charles G.	
HN		US- 5,152,813	10/06/92	Coe, Charles G.	
HN		US- 5,137,548	08/11/92	Grenier, Maurice	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

/Hoang Nguyen/

Date
Considered

08/08/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Change(s) applied
to document,
/A.J.P./
3/14/2012

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 9 of 11**Complete if Known**

Application Number	10/790,316
Filing Date	03/01/04
First Named Inventor	Haase, Richard A.
Art Unit	
Examiner Name	
Attorney Docket Number	

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HN		US- 5,837,125	11/17/98	Prasad, Ravi	
HN		US- 5,820,655	10/13/98	Gottzman, C. F.	
HN		US- 5,820,654	10/13/98	Gottzman, C. F.	
HN		US- 5,599,383	02/04/97	Dyer, Paul N.	
HN		US- 6,372,020	04/16/02	Hong, Jae Jin	
HN		US- 6,592,650	07/15/03	Pinnau, Ingo	
HN		US- 6,579,341	06/17/03	Baker, Richard W.	
HN		US- 6,572,679	06/03/03	Baker, Richard W.	
HN		US- 6,572,678	06/03/03	Wijmans, J. G.	
HN		US- 6,565,626	05/20/03	Baker, Richard W.	
HN		US- 6,361,583	03/26/02	Pinnau, Ingo	
HN		US- 6,562,104	05/13/03	Boel III, L. E.	
HN		US- 6,551,386	04/22/03	Weiler, Ludwig	
HN		US- 6,360,524	06/26/02	Dnevich, R. F.	03/2002
HN		US- 6,293,084	09/25/01	Dnevich, R. F.	
HN		US- 5,820,654	10/13/98	Gottzman, C. F.	
HN		US- 6,277,483	08/21/01	Peinemann, K.V.	
HN		US- 6,761,155	07/13/04	Livingston, Brian	
HN		US- 6,523,529	02/25/03	Moncelle, M. E.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	/Hoang Nguyen/	Date Considered	08/08/2006
-----------------------	----------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Change(s) applied
to document,
/A.J.P./
3/14/2012

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/790,316
		Filing Date	03/01/04
		First Named Inventor	Haase, Richard A.
		Art Unit	
		Examiner Name	
Sheet <u>3</u> of <u>11</u>	Attorney Docket Number		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HN		US- 5,896,755	04/27/99	Wong, Kenneth K.	
HN		US- 5,765,396	07/16/98	Bonaquist, Dante	06/1998
HN		US- 5,596,886	01/28/97	Howard, Henry E.	
HN		US- 5,582,036	12/10/96	Dmevich, Raymond	
HN		US- 5,582,035	12/10/96	Rathbone, Thomas	
HN		US- 5,463,871	11/07/95	Cheung, Henry	
HN		US- 5,456,083	10/10/95	Hogg, Neil	
HN		US- 5,440,884	08/15/95	Bonaquist, Dante	
HN		US- 5,438,835	08/08/95	Rathbone, Thomas	
HN		US- 5,402,647	04/04/95	Bonaquist, Dante	
HN		US- 5,386,692	02/07/95	LaForce, Craig S.	
HN		US- <u>Additional Search</u>		<u>"Membranes"</u>	
HN		US- 6,767,663	07/27/04	Li, Loin Feng	
HN		US- 6,403,041	06/11/02	Takahashi, T.	
HN		US- 6,139,810	10/31/00	Gottzman, C.F.	
HN		US- 6,117,210	09/12/00	Prasad, Ravi	
HN		US- 5,902,379	05/11/99	Phillips, Robert J.	
HN		US- 5,599,383	02/04/97	Dyer, Paul N.	
HN		US- 6,117,210	09/12/00	Prasad, Ravi	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	/Hoang Nguyen/	Date Considered	08/08/2006
-----------------------	----------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Change(s) applied
to document,
/A.J.P./
3/14/2012

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

1

Complete if Known

Application Number	10/790,316
Filing Date	03/01/04
First Named Inventor	Haase, Richard A.
Art Unit	
Examiner Name	
Attorney Docket Number	

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HN		US-6,045,116	10/15/02	Dickman, Anthony J.	6,465,118
HN		US-6,508,210	01/21/03	Knowlton, James L.	
HN		US-6,537,352	03/25/03	Edlund, David J.	
HN		US-6,783,741	08/31/04	Edlund, David J.	
HN		US-Additional Search			
HN		US-6,333,445	12/25/01	Obrien, John V.	
HN		US-6,298,668	10/09/01	Lo, Hou On	
HN		US-6,499,312	12/31/02	Bergman, Thomas	
HN		US-6,082,136	07/04/00	Yoshino, Akira	
HN		US-6,048,509	04/11/00	Kawai, Masato	
HN		US-5,245,832	09/21/93	Roberts, Mark J.	
HN		US-5,341,646	08/30/94	Agrawal, Rakesh	
HN		US-6,564,581	03/21/02	Pompl, Gerhard	
HN		US-6,536,234	03/25/03	Shah, Minish M.	
HN		US-6,347,534	02/19/02	Ha, Bao	
HN		US-6,263,700	07/24/01	Agrawal, Rakesh	
HN		US-6,202,441	03/20/01	Ha, Bao	
HN		US-6,173,584	01/16/01	Agrawal, Rakesh	
HN		US-5,934,104	08/10/99	Fidkowski, Z.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner
Signature

/Hoang Nguyen/

Date
Considered

08/08/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9189 (1-800-786-9189) and select option 2.

Change(s) applied
to document,
/A.J.P./
3/14/2012

Information Disclosure Statement By Applicant				Complete If Known	
				Application Number	10/790,316
				Filing Date	03-01-04
				First Named Inventor	Haase, Richard A.
				Art Unit	3748
				Examiner Name	Nguyen, Hoang M.
Sheet	1	of	1	Attorney Docket Number	CV-49

U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No.	Document Number Number Kind Code	Publication Date MM-DD-YY	Name of Patentee or Applicant Cited Document
[Handwritten Initials]		US - 5,177,952	01-12-93	Stone, Charles L.
		US - 3,101,592	08-27-63	Robertson, Anthony E., et. al.
		US - 3,229,462	01-18-66	Fatica, Nicholas
		US - 3,736,745	06-05-73	Karig, Horace E.
		US - 3,978,661	09-07-76	Cheng, Dah Yu
		US - 4,841,731	06-27-89	Tindell, Gene
		US - 4,942,733	07-24-90	Hosford, Gergory S.
		US - 5,331,806	07-26-94	Warkentin, Daniel A.
		US - 5,548,952	08-27-96	Stock, Theodore and Spector, George
		US - 5,755,089	05-26-98	Vanselow, Walter
		US - 5,644,911	07-08-97	Huber, David John 5,644,911
		US - 5,761,896	06-09-98	Dowdy, Thomas E. and Bannister, Ronald L.
		US - 5,775,091	07-07-98	Bannister, Ronal Leo, et. al.
		US - 5,782,081	07-21-98	Pak, Pyong Sik, et. al.
		US - 5,809,768	09-22-98	Uematsu, Kazuo, et. al.
		US - 5,935,900	09-21-99	Bannister, Ronald L. and Newby, Richard Allen
		US - 6,286,315	09-11-01	Staehele, Charles Michael
		US - 6,530,226	03-11-03	Harazim, Wolfgang
		US - 4,135,361	01-23-79	Eisenhaure, David B.
		US - 3,230,707	01-25-66	Rothmayer, Noel Y., et. al.
		US - 3,898,794	08-12-75	Ariga, Hajime
		US - 3,975,913	08-24-76	Erickson, Donald C.
		US - 6,333,015	12-25-01	Lewis, Arlin C.
		US -		
		US -		
		US -		
		US -		
		US -		
		US -		
Examiner Signature	Hoang NGUYEN		Date Considered	02/01/06

5,953,900

Change(s) applied
to document,
/A.J.P./
3/14/2012